

ALLOWABLE WEIGHTS FOR DOUBLE-WIDE HAULING EQUIPMENT

Within the limits of this manual, the use of double-wide hauling equipment is acceptable. Weight calculations are based on the straight green or purple weight charts. No credit is given for bonused axles.

Doublewide Hauling Equipment Defined

Hauling equipment is defined as “doublewide” when the total width of the hauling equipment (two dollies side by side), as shown in Figure 1, is 13’0” or greater. This equipment may qualify for increased axle weight based upon vehicle width, provided that:

1. **Doublewide configurations 13’ 0” to 15’ 0**
The minimum dimension between dollies, is greater than or equal to 2’ 0”
2. **Doublewide configurations greater than 15’ 0”**
The minimum dimension between dollies is greater than or equal to 3’ 0”.
3. **There is a minimum of 8 tires per axle (or dolly).**

If close coupling exists, the Headquarters Transportation Permits Branch will review the equipment and determine allowable weights in conjunction with the Division of Structure Maintenance and Investigation.

Maximum Allowable Weight Calculations:

The maximum weight that will be allowed on an individual dolly is the lesser of the values as determined by equations 1 and 2 below.

Equation 1:

$$\text{Allowable Weight} = \left(\frac{\text{Dolly Width}^*}{7} \right) \times \left(\text{Straight Permit Weight} \right)$$

* Dolly width shall not exceed 7 feet for use in this equation

Equation 2:

$$\text{Allowable Weight} = \left(\frac{\text{Width of Hauling Equip}^{**}}{20} \right) \times \left(\text{Straight Permit Weight} \right)$$

** The width of hauling equipment shall be rounded down to the nearest whole foot.

APPENDIX 15

15-2

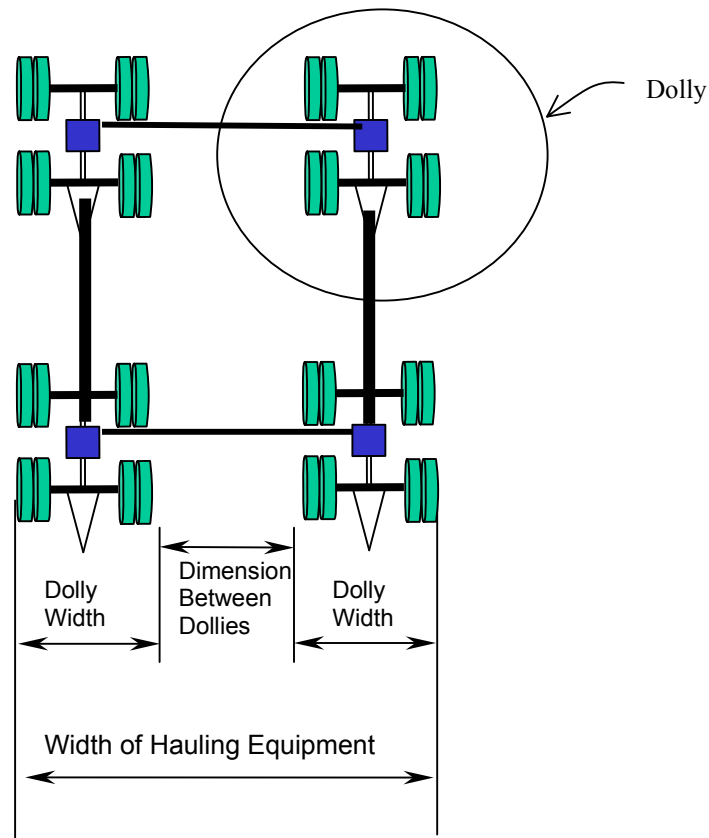


FIGURE 1 - PARTIAL PLAN VIEW OF DOUBLE WIDE HAULING EQUIPMENT

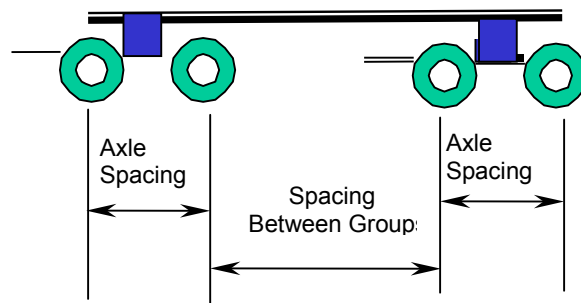


FIGURE 1A – ELEVATION VIEW